

# Monitoring and Control with Ethernet TCP / IP

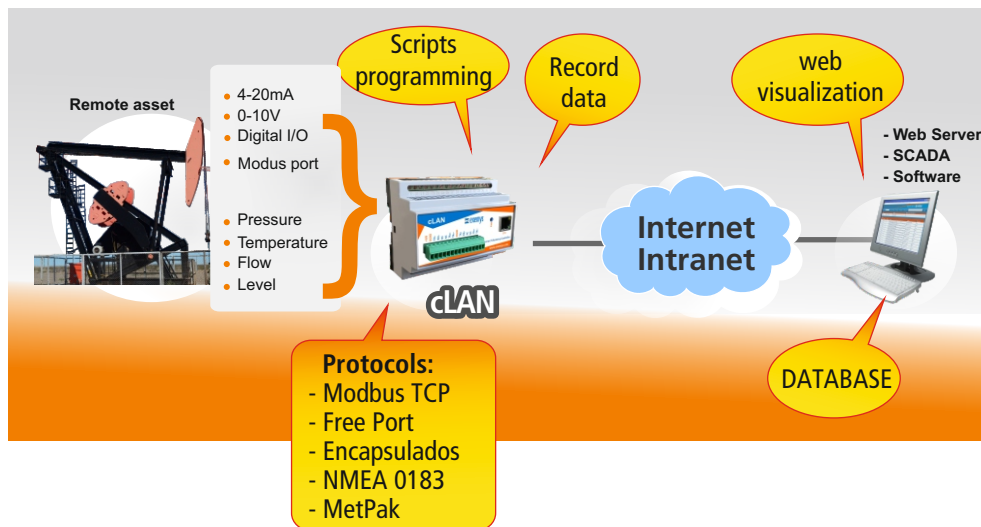
cLAN

Programmable Module with Scripts

Smart RTU



## ★ GENERAL SCHEME OF OPERATION



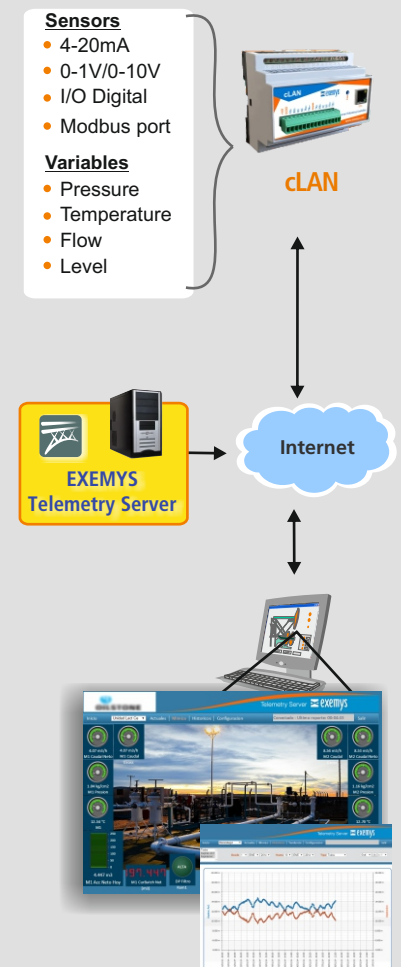
The cLAN helps control and upervise any kind of equipment from distance, be it a control system or process system facilitating the implementation of the remote telemetry systems.

The cLAN connection is by middle of an ethernet port 10/100 Mbit TCPIP.

## ★ GENERAL FEATURES

- Ethernet Port.
- Digital Inputs and Outputs
- Pulse count inputs
- Analog Inputs for Sensors, Transmitters or Transducers
- Time stamped Data Logging
- Logic control using SCRIPT programming
- Modbus TCP and Serial slave for direct SCADA connection.
- NMEA 0183 and MetPak (Gill Instruments) support
- Free Port (user protocol parsing using script programming)
- Satellite module antenna (optional)
- FTP client to send logged data
- I/O expansion using embedded Modbus Master
- Transparent remote Access to serial port.
- SNMP V1 support

## EXEMYS WEB TELEMETRY SERVER COMPATIBLE



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## TECHNICAL SPECIFICATIONS

- **Protocols:** Modbus Master/Slave, Modbus TCP Slave, Iridium SBD, NMEA 0183 y MetPak (Gill Instruments), Free Port (User protocol parsing using script programming)

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- **Serial Port:** 2 Ports RS232 or Rs485 (depending on model) for Encapsulation Transparent of Serial Protocols or Modbus Protocol.

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- **Ethernet Port:** 1 Port 10/100 Mbit.

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- **Supported devices:** Device with serial port RS232 / Rs485.

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- **Digital I/O :** Model 3524: 16 inputs (8 for pulses) and 8 outputs  
Model 2205: 10 I/O (10 for pulses)

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- **Analog Inputs:** Model 3524: 8 inputs: 0-1Vdc, 0-10Vdc, 4-20mA  
Model 3404: 8 differential inputs: 0-1Vdc, 0-10Vdc, 4-20mA

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- **Pulse count Input:** Model 3524: 8 inputs: Fmax=1KHz, Pulso=Min 0.5ms.  
Model 2205: 10 inputs: Fmax=45Hz, Pulso=Min 25ms.

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- **Data Logging:** Non-Volatile memory to store records and events. Real time clock

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- **Configuration:** Local and Remote using the Ethernet port

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- **Indicators:** Power, State and Link LEDs

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- **Power Input:** +10 to 30 Volts DC, 190mA@12Vdc Max., 100mA@ 24Vdc Max.

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- **Dimensions:** Model 3524 y 1520: 85x60x105mm (Height x Width x Length), 150gr.  
Model 1205, 3404 y 2205: 100x22.5x112mm, 100gr.  
Model 1101: 115 x 45 x 90 mm, 150 gr.

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- **Temperature:** -15 a 65 °C.



IEC 60950-1:2005+A1

SISTEMA DE GESTIÓN ISO 9001:2015

GESTIÓN  
DE LA CALIDAD

RI-9000-6174

Acreditado por OAA



AVAILABLE MODELS



PART NUMBER	ETHERNET PORT	SERIAL PORT	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	SCRIPT	EXPANSION I/O
CLAN-1205-XF	10/100 Mbit	2 Ports 1x RS232 + 1x RS485/422 Iso	---	---	---	YES	YES
CLAN-2205-XF	10/100 Mbit	2 Posrts 1x RS232 + 1x RS485/422 Iso	10 Configurables (10 for pulses)		---	YES	YES
CLAN-3404-XF	10/100 Mbit	1 RS232	---	---	8 0-1V, 0-10V, 4-20mA differential	YES	YES



PART NUMBER	ETHERNET PORT	SERIAL PORT	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	SCRIPT	EXPANSION I/O
CLAN-1520-XF	10/100 Mbit	2 x RS232 /485	---	---	---	YES	YES
CLAN-3524-XF	10/100 Mbit	2 x RS232 /485	16 (8 for pulses)	8	8 0-1V, 0-10V, 4-20mA	YES	YES



PART NUMBER	ETHERNET PORT	SERIAL PORT	DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	SCRIPT	EXPANSION I/O
ERD-1101-XF	10/100 Mbit	1 RS232/485	---	---	---	NO	NO



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